

Trig Planning Guide

December 2012

Trendway[®] 

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Trig Applications - Conventional
and Integration

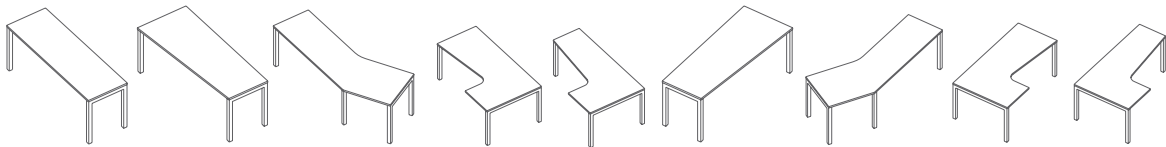
Specification Information

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- Desks and Work Surfaces
- Support Options for Work Surfaces
- Screens and Modesty Options
- Bracket Installation
- Electrical

Trig Statement of Line

With a clean, modern look and lighter scale, Trig reflects contemporary style. Easy to own, manage and change, you won't regret selecting this line of desking. Trig's concise, modular elements lend themselves to any work style, from private office to open plan, and make asset management and reconfiguration effortless.

Desks



Work Surfaces



Tables



Credenzas



Bench-Height Storage



Freestanding Storage



Under Desk Support Storage



Trig to Panel Bracket



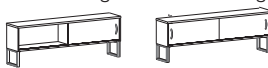
Stack Storage - Open Shelf



Stack Storage - Paper Management



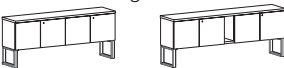
Overhead - Single and Dual Sliding Door



Overhead - Open Shelf



Overhead - Hinged Doors



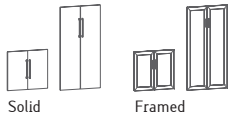
Combination Storage



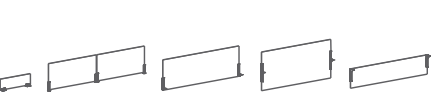
Tower Storage



Door Style Options



Screens and Modesty Options



Wire Management



Trig Application Guidelines

Work Surface Basics

Work Surface Shapes and Grain Direction

Rectangular



Wedge

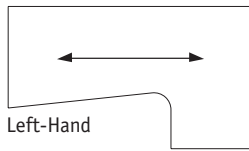


Left-Hand

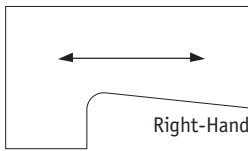


Right-Hand

Primary

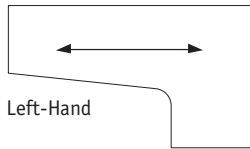


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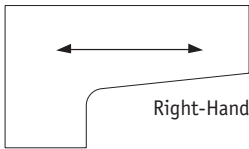


Right-Hand

Secondary

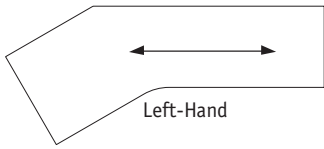


Left-Hand

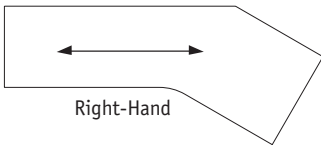


Right-Hand

Blade



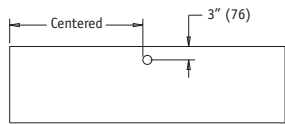
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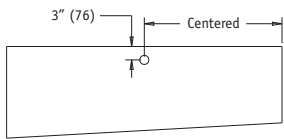
Right-Hand

Work Surface Grommet Location

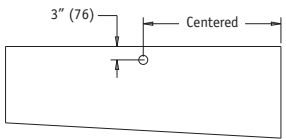
Rectangular



Wedge

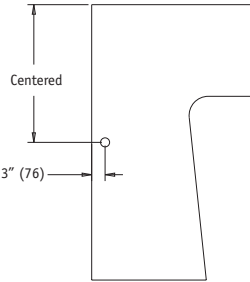


Left-Hand

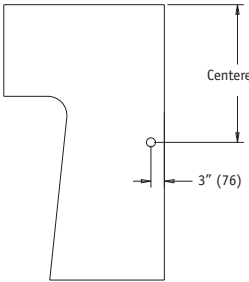


Right-Hand

Primary

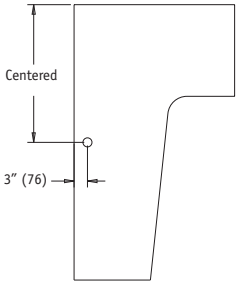


Left-Hand

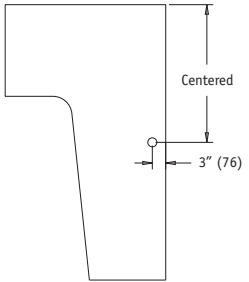


Right-Hand

Secondary

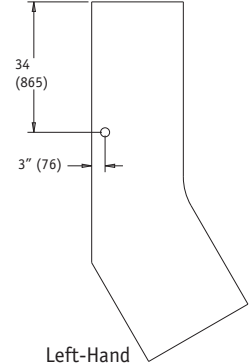


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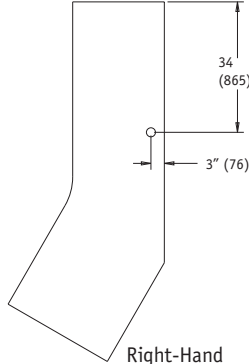


Right-Hand

Blade



Left-Hand

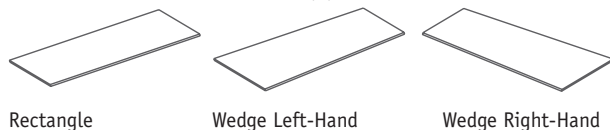


Right-Hand

Desk and Work Surface Overview

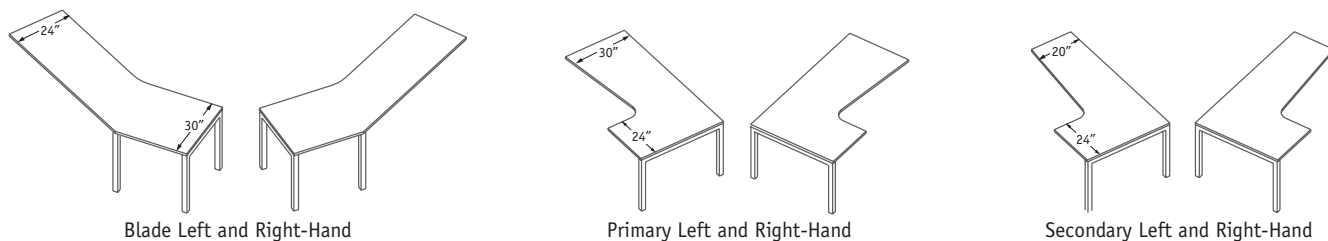
Trig offers both pre-configured desks with support legs on both ends, or create your own desk style by specifying a work surface shape and then support options separately.

Work surface with no supports



- Angled edge is the user side for the Wedge

Work Surfaces with one support

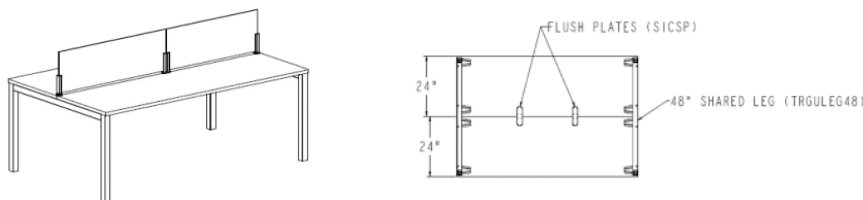


- Angled edge is the user side.
- Straight edge is the guest side.

Work Surface Support Options

Shared work surface support leg

- Use when equal width and depth work surfaces are placed back-to-back.
- Flush support plates should be ordered and used in the middle of the work surface for secure alignment.
- Only surface mount or desk top screens can be used for privacy.



Flush Support Plates

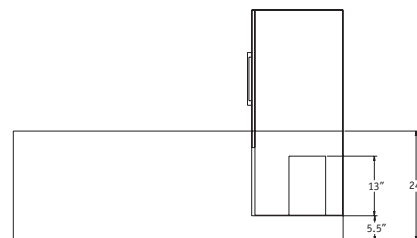
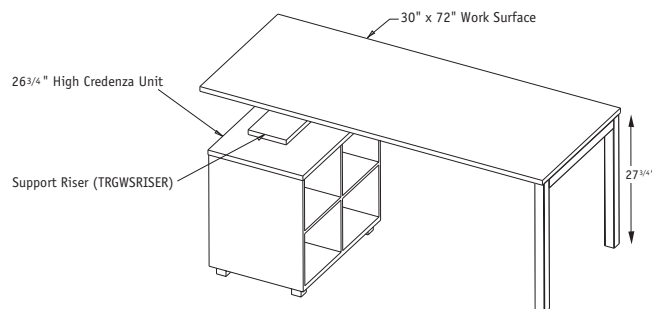
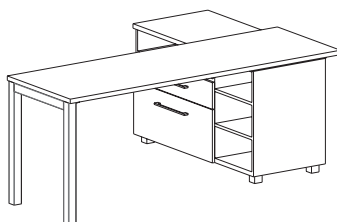
- Used to mount work surfaces perpendicular to each other, at the same level, to create an L shape configuration.
- They should also be used in the middle of two back-to-back work surfaces for secure alignment.

Trig Application Guidelines

Credenza Support Option

- The support riser attaches the work surface to the storage unit.
- The 1" Support Riser needs to be ordered separately and field installed.
- Credenza top will need to be drilled in the field. Only Under Desk Support Storage comes pre-drilled.
- Field installed riser is 13" long, and when mounted to the bottom of the work surface, it is centered relative to the depth. To give the riser the appropriate support on the credenza, the following chart shows the maximum that the work surface can overhang the storage unit:

Work Surface Depth	Maximum Overhang
20"	3.5"
24"	5.5"
30"	8.5"



Under Desk Support Storage



Left Hand application

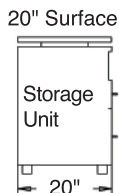


Right Hand application

- Comes with a 1" support riser and predrilled storage top
- Support riser is center mounted on Under Desk Pedestals, which are 15-1/2" wide.
- 30" wide Under Desk Support Lateral and Double Door Storage tops are predrilled with two sets of mounting holes for the riser. *Note: Riser is not center mounted on the storage unit. In left hand support applications the riser will attach on the left of the unit and on the right side for right hand support applications.* This allows the same unit to be used for either right or left hand work surface support. These units are designed to be used as shown, so that the entire unit is underneath the work surface (second set of riser mounting holes on the storage unit are not visible in this configuration).

Recommended Under Desk Storage Depth

Under Desk Storage Depth for Rectangle, Blade and Secondary Work Surfaces



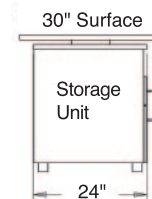
Surface Depth	Leg Depth	Storage Depth
20"	20"	20"
24"	24"	24"
30"	30"	30"

Under Desk Storage Depth for WedgeWork Surfaces



Surface Depth	Leg Depth	Storage Depth
20"	20"	20"
24"	24"	20"
30"	30"	24"

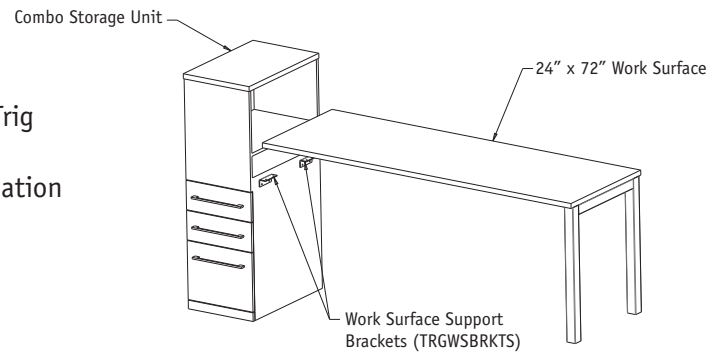
Under Desk Storage Depth for Primary Work Surfaces



Surface Depth	Leg Depth	Storage Depth
30"	30"	24"

Combination Storage Units

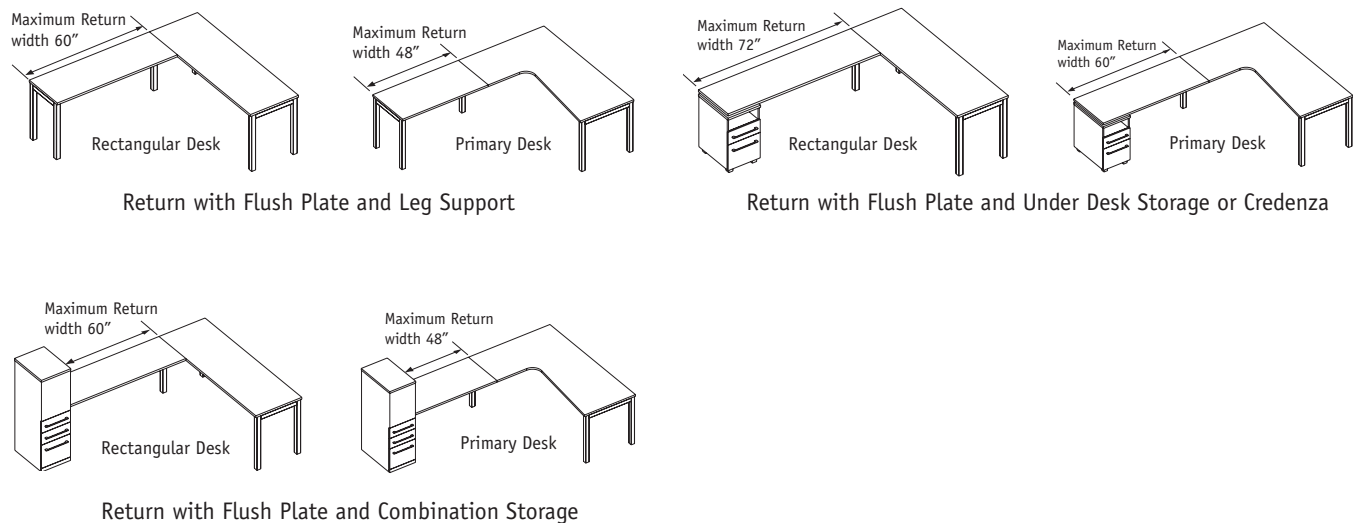
- Can also be used as a work surface support by using Trig Work Surface Support Brackets.
- The Support Brackets can be ordered with the Combination Storage unit or separately.



Creating an “L” shaped office with a return

It is easy to configure “L” shaped offices using these simple guidelines.

Returns can be used on Rectangle, Primary and Secondary Desks



Trig Application Guidelines

Use the following chart for a quick reference for **Available Work Surface Support Options**

Desks

Support Combinations		Surface Width						
Support 1	Support 2	48"	54"	60"	66"	72"	78"	84"
Leg	Leg	Y	Y	Y	Y	Y	-	-
Leg	Under Desk / Credenza	Y	Y	Y	Y	Y	Y	Y
Leg	Combination Storage	Y	Y	Y	Y	Y	-	-
Under Desk / Credenza	Under Desk / Credenza	Y	Y	Y	Y	Y	Y	Y
Under Desk / Credenza	Combination Storage	Y	Y	Y	Y	Y	Y	Y
Combination Storage	Combination Storage	Y	Y	Y	Y	Y	-	-

Use the following chart for a quick reference to the **Maximum Return Work Surface Width**

Return on Rectangle Work Surface

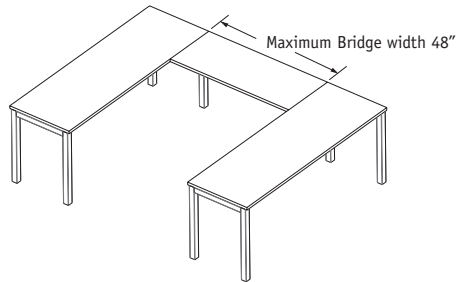
Support Combinations		Return Surface Width						
Support 1	Support 2	48"	54"	60"	66"	72"	78"	84"
Flush Plate	Leg	Y	Y	Y	-	-	-	-
Flush Plate	Under Desk / Credenza	Y	Y	Y	Y	Y	-	-
Flush Plate	Combination Storage	Y	Y	Y	-	-	-	-

Return on Primary or Secondary Work Surface

Support Combinations		Return Surface Width						
Support 1	Support 2	48"	54"	60"	66"	72"	78"	84"
Flush Plate	Leg	Y	-	-	-	-	-	-
Flush Plate	Under Desk / Credenza	Y	Y	Y	-	-	-	-
Flush Plate	Combination Storage	Y	-	-	-	-	-	-

Using a Bridge

A Bridge work surface can be used to connect two freestanding rectangular desks.

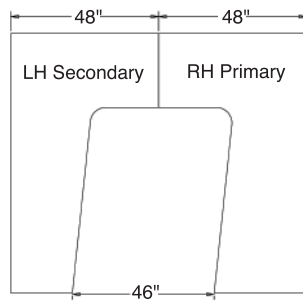


Bridge with Flush Plates

Primary and Secondary Work Surfaces

Primary and Secondary work surfaces are available 42" and 48" depths.

Primary and Secondary 48"-deep work surfaces can be paired together to create a U-shaped work station. This U-shaped configuration is not recommended for 42"-deep work-surfaces as it creates a narrow opening. However, they can be paired with rectangular work-surfaces to create L-shaped work stations.



Using Support Leg and Storage Panel Brackets

These brackets are designed to provide stability to panel layouts that otherwise would require return panels. When using these brackets, the panel layout rules for Loaded and Non-Loaded panel runs must be followed to ensure safe installation.

Non-Loaded Panel Runs

A Non-Loaded panel run is defined as having no panel hung components regardless of size or weight. The maximum length of a Non-Loaded panel run is 192", with a maximum of 66" high panels. Two panel bracket connections, one on each end of the run, are required when used in place of a return panel (with the exception of Parallel-mounted Trig Desk). The Storage to Panel Brackets follow the same layout rules as Support Leg to Panel Brackets for maximum length and height of Non-Loaded panel run. Storage units can be side-mounted or back-mounted (Fig. 1).

For a perpendicular-mounted Trig Desk the following criteria must be met (Fig. 2):

- The minimum Trig Desk size is 48"W x 20"D.
- The maximum Trig Desk length with 2 Support Legs is 72". Desks length of 78" and 84" require an under desk storage unit.

For a parallel-mounted Trig Desk the following criteria must be met:

- The minimum Trig Desk size is 48"W x 30"D if parallel-mounted desk connections are the only panel connections used on one side of the panel run. If the desk depth is less than 30", then a third panel support is required on the back side of the panel run (Fig 3).
- The maximum Trig Desk length with 2 Support-Legs is 72". Desks length of 78" and 84" require an under-desk storage unit (Fig. 4).

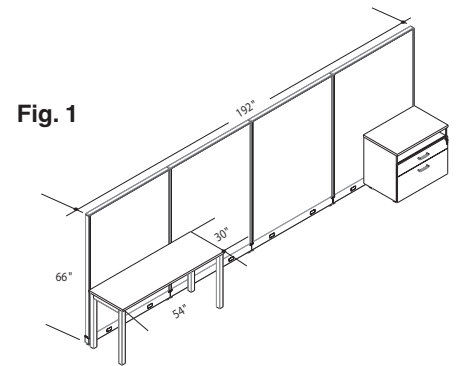


Fig. 2

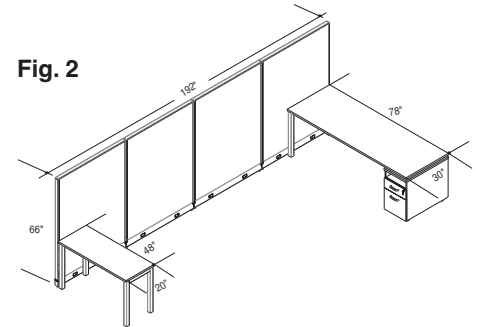


Fig. 3

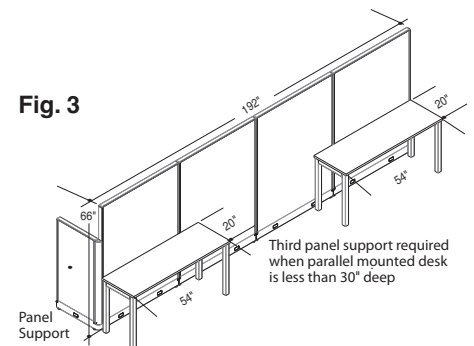
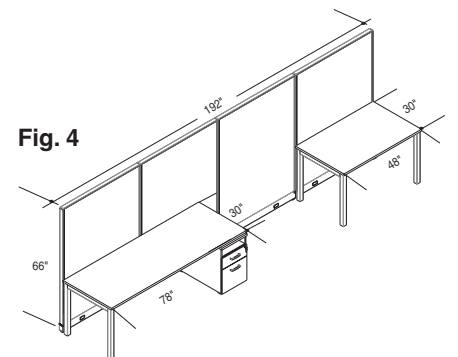


Fig. 4



Loaded Panel Runs

A loaded panel run is defined as having panel hung components with two or more panels connected in a straight line. The maximum length of a loaded panel run with one panel connection before a panel bracket is needed is 120", and with a 2 panel connections is 96". The maximum panel height depends on whether there is overhead storage on the adjacent panel. Maximum height with no overhead storage on adjacent panel is 66", and with overhead storage on the adjacent panel is 62". Storage to Panel Brackets follow the same layout rules as Support Leg to Panel Brackets for maximum length and height of a loaded panel run. Storage units can be side-mounted or back-mounted (Fig. 5).

For a perpendicular-mounted Trig Desk the following criteria must be met (Fig. 6):

- The minimum Trig Desk size is 48"W x 20"D.
- The maximum Trig Desk length with 2 Support Legs is 72". Desks length of 78" and 84" require an under desk storage unit.

For a parallel-mounted Trig Desk the following criteria must be met:

- The minimum Trig Desk size is 48"W x 30"D if parallel-mounted desk connections are the only panel connections used on one side of the panel run. If the desk depth is less than 30", then a third panel support is required on the back side of the panel run (Fig 7).
- The maximum Trig Desk length with 2 Support Legs is 72". Desks length of 78" and 84" require an under-desk storage unit (Fig. 8).

Fig. 5

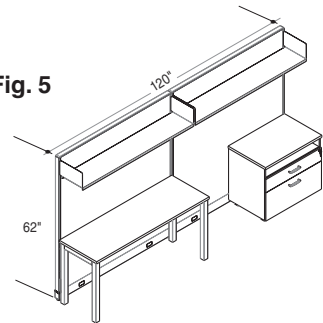


Fig. 6

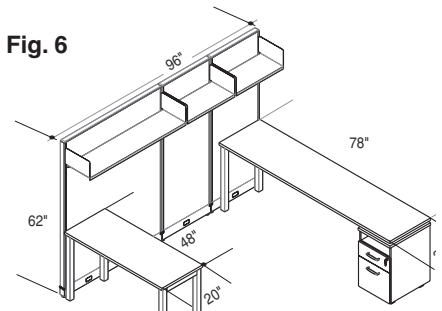


Fig. 7

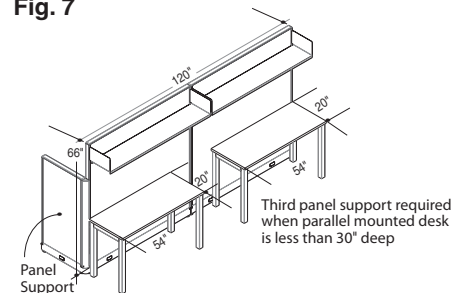
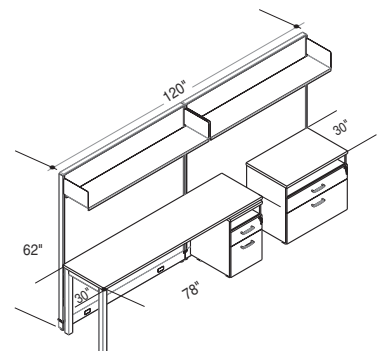
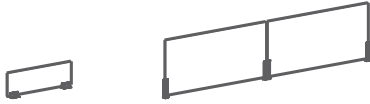


Fig. 8



Desktop and Surface Mount Screens



Desktop Screens Surface Mount Screens

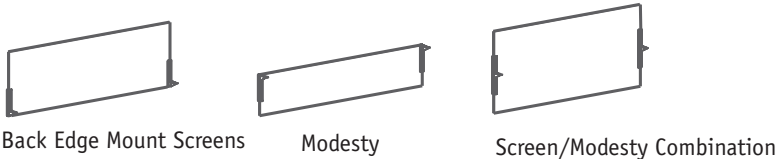
Desktop Screens

- Desk Top Screens can be installed on any open surface.
- The aluminum base supports should be installed about 2" from the ends of the screen.
- The bottom of supports have a double-sided tape for mounting the Desk Top Screens to the surface.
- Screen length selected should be 4" shorter than the depth of the adjacent surfaces.

Surface Mount Screens

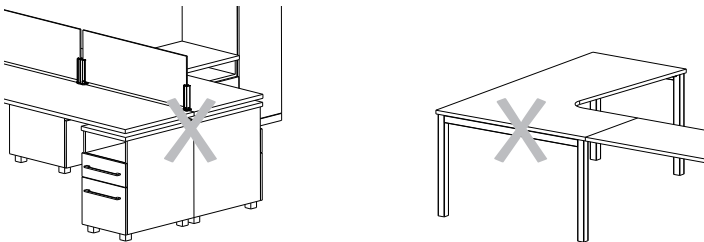
- Surface Mount Screens attach to the top of the work surface.
- They can be used to span the seam in the back-to-back surface layout.
- In back-to-back layouts, Flush Support Plates should be ordered to connect the work surfaces together before mounting the screen on the top of both work surfaces.
- Screen lengths of 48" and less are a single screen and two vertical posts. Screen lengths greater than 48" are two screens and three posts (center post is shared).

Application guidelines for Back Edge Mount Screens, Modesty and Screen/Modesty Combination



Note: If calculated screen or modesty width does not match an exact size, select next narrower width. Total length of each screen is .25" shorter than normal length.

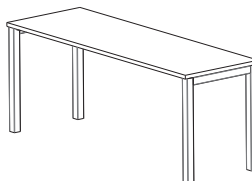
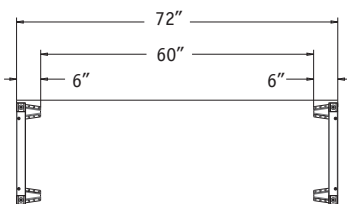
Note: Back Edge Screens, Modesty and Screen/Modesty Combination cannot be used on the ends of the desks that have legs or Under Desk Storage support (must have open surface underneath desk to attach to). A Surface Mount or Desk Top Screen must be used.



Legs Only

Work Surface Width – Legs and Mounting Hardware = Maximum Modesty or Screen Width

Example: 72" - 12" (6" each leg and hardware) = 60" Maximum width

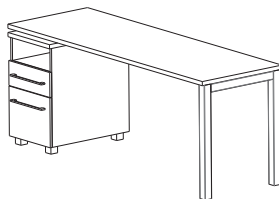
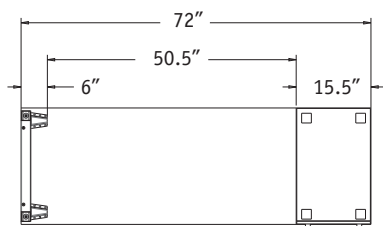


Legs and Under Desk Support Storage

Work Surface Width - Leg and Mounting Hardware - Support Storage Width = Maximum Modesty or Screen Width

Example: $72'' - 6'' - 15.5'' = 50.5''$

Note: If calculated screen or modesty width does not match an exact size, select next narrower width.

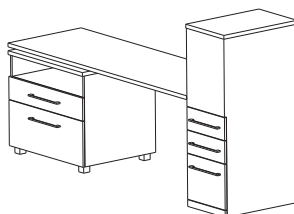
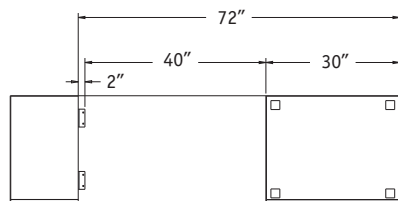


Under Desk Support Storage and Combination Storage

Worksurface Width - Support Storage - Support Brackets for Combination Storage = Maximum Modesty or Screen Width

Example: $72'' - 30'' - 2'' = 40''$ Maximum width

Note: If calculated screen or modesty width does not match an exact size, select next narrower width.

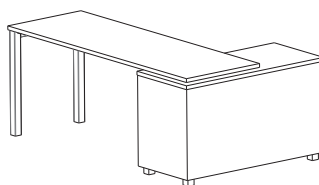
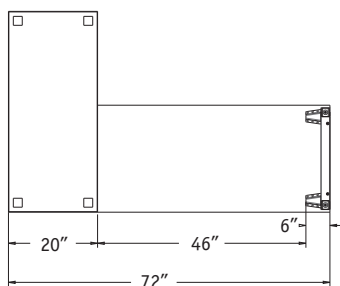


Work Surface with Legs and Perpendicular work surface supporting Credenza

Work Surface Width - Leg and Mounting Hardware - Credenza Depth = maximum Modesty or Screen Width

Example: $72'' - 6'' - 20'' = 46''$ Maximum width

Note: If calculated screen or modesty width does not match an exact size, select next narrower width.

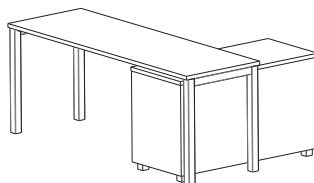
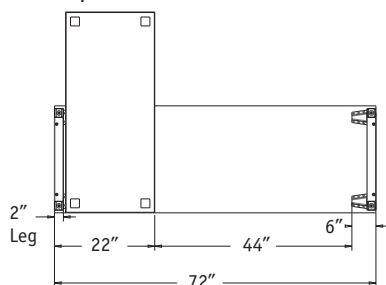


Desk with Legs and Perpendicular Freestanding Credenza

Flush to back edge of desk: Work Surface - (Legs and Mounting Hardware) - Credenza Depth = Maximum Modesty or Screen Width

Example: $72'' - 6'' - 22'' = 44''$ Maximum width

Note: If calculated screen or modesty width does not match an exact size, select next narrower width.

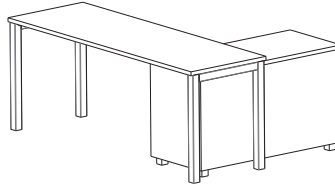
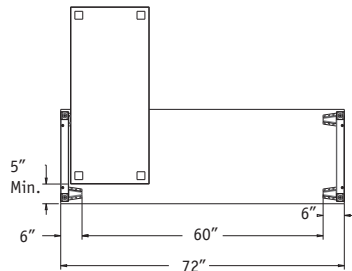


Product Information

Credenza Partially Under Desk:

Work Surface - Legs and Mounting Hardware = Maximum Modesty or Screen Width

Example: 72" - 12" = 60" Maximum width

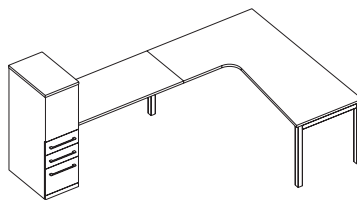
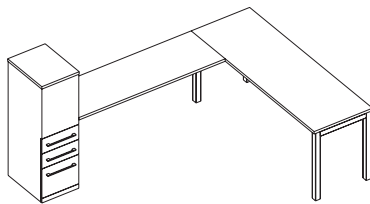


Return with Combination Storage

Return width - Flush Plates - Support Brackets = Maximum Modesty or Screen Width

Example: 60" - 4" - 2" = 54" Maximum width

Note: If calculated screen or modesty width does not match an exact size, select next narrower width.



Back Edge Screen, Screen/Modesty and Modesty Width Selection Guide

Support Combinations		Desk Width						
Support 1	Support 2	48"	54"	60"	66"	72"	78"	84"
Leg	Leg	36	42	48	54	60	NA	NA
Leg	Under Desk Pedestal	24	30	36	42	48	54	60
Leg	Under Desk Lateral or Double Door	NA	NA	24	30	36	42	48
Leg	Credenza	NA	24	30	36	42	48	54
Leg	Combination Storage	36	42	48	54	60	NA	NA
Leg	Flush Plates	36	42	48	NA	NA	NA	NA
Under Desk Pedestal	Under Desk Pedestal	NA	NA	24	30	36	42	48
Under Desk Pedestal	Under Desk Lateral or Double Door	NA	NA	NA	NA	24	30	36
Under Desk Pedestal	Credenza	NA	NA	24	30	36	42	48
Under Desk Pedestal	Combination Storage	24	30	36	42	48	54	60
Under Desk Pedestal	Flush Plates	24	30	36	42	48	NA	NA
Under Desk Lateral or Double Door	Under Desk Lateral or Double Door	NA	NA	NA	NA	NA	NA	24
Under Desk Lateral or Double Door	Credenza	NA	NA	NA	NA	NA	24	30
Under Desk Lateral or Double Door	Combination Storage	NA	NA	24	30	36	42	48
Under Desk Lateral or Double Door	Flush Plates	NA	NA	24	30	36	NA	NA
Credenza	Credenza	NA	NA	NA	24	30	36	42
Credenza	Combination Storage	24	30	36	42	48	54	60
Credenza	Flush Plates	24	30	36	42	48	NA	NA
Combination Storage	Combination Storage	42	48	54	60	66	NA	NA
Combination Storage	Flush Plates	42	48	54	NA	NA	NA	NA

The Trig Electrical System consists of the following components

Trig Power Set – made up of (2) duplex receptacles (one for circuit 1 and one for circuit 2) that are center mounted with spring clips to the underside of the desk or work surface for a total of 4 outlets. Desks and work surfaces are pre-drilled for the clips that allow Power Sets to snap into place.

Base Feed – it includes 6' or 12' of flexible liquid-tight conduit cord for hard-wiring the Power Set, 2-circuit system, to the building power. A single hardwired Trig Base Feed can accommodate a maximum of 10 Power sets.

H-Connector – Allows power to be routed in up to 3 different directions. This is useful in layouts that require a single Base Feed to be split in order to reach work surfaces in more than one direction.

Electrical Harnesses – Connects Power Sets between work surfaces, and is also used in conjunction with the H-Connector in layouts where the Base Feed is split in two directions.

Following are a few examples highlighting the components that make up the Trig Electrical System.

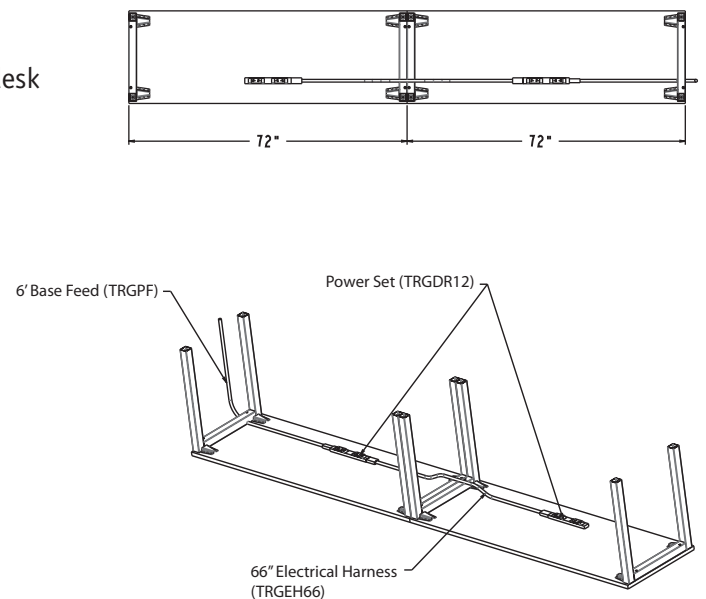
Example 1 - (2) 72" wide Rectangular Desks with support legs side by side

Note: A maximum 60" screen or modesty and grommets could be added to each 72" desk in this application.

Needed Electrical Components for example 1:

- (2) Power Sets (TRGDR12) are needed, one for each desk
- (1) 66" electrical harness (TRGEH66) to connect the Power Sets on each desk
- (1) Trig Hardwired Base Feed (TRGPF) to bring the building power to the desks*.

**12' basefeed (TRGPF12) also available.*



The Electrical Harness length for a side-by-side application is calculated by the following equation:

Half of Desk/Work Surface (1) width + half of Desk/Work Surface (2) width - 6" (half of the width of a power set) = Electrical Harness minimum length.

For this example with (2) 72" work surfaces: $36" + 36" - 6" = 66"$ **harness minimum length**

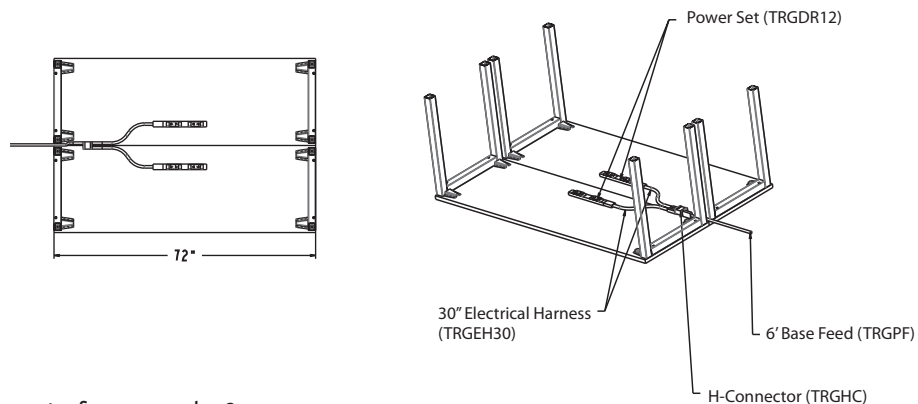
Or if one desk was 72" wide and the other was 60" wide, the necessary harness length would be: $36"$ (half of surface (1) width) + $30"$ (half of surface (2) width) - $6"$ = $60"$ harness minimum length

If calculated harness length does not match and exact size, select the next longer length.

- Notes:
- 66" Electrical Harness between Power Sets must drop down underneath legs in the middle of the two surfaces.
 - Power sets attach to the underside of the work surface with spring clips. Work Surfaces are predrilled with mounting holes for the clips, and then Power Sets just snap in place.

Example 2 – (2) 72" Rectangular Desks with Support Legs Back-to-Back

Note: A maximum 60" screen or modesty and grommets could be added between each 72" desk in this application.



Needed Electrical Components for example 2:

- (2) Power Sets (TRGDR12) are needed, one for each desk
- (1) H-Connector (TRGHC) used to split power coming from the Base Feed to each Power Set.
- Trig Base Feed (TRGPF)*
- (2) 30" electrical harnesses (TRGEH30) are needed to connect the Power Set on each desk to the H-Connector

**12' basefeed (TRGPF12) also available.*

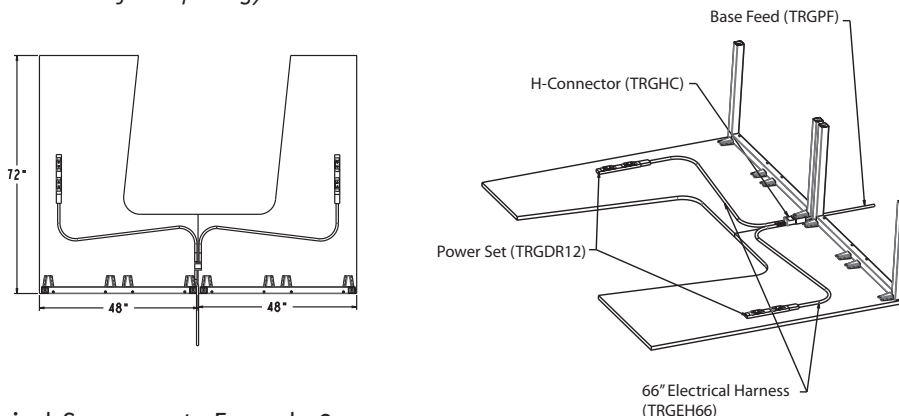
The length of the electrical harnesses that connects the H-Connector to the Power Sets will depend on the width of the work surfaces.

The table below shows the necessary harness length for each width of work surface (a separate harness will need to be order for each surface):

Work Surface Width	48"	54"	60"	66"	72"	78"	84"
Electrical Harness Length	18"	24"	24"	30"	30"	36"	36"

Example (3) U-shaped Workstation with 48" deep, 72" wide Primary and Secondary Work Surfaces

(U-shaped stations like this can only be done with 48" deep primary and secondary work surfaces. The 42" deep work surfaces create too narrow of an opening)



Needed Electrical Components Example 3:

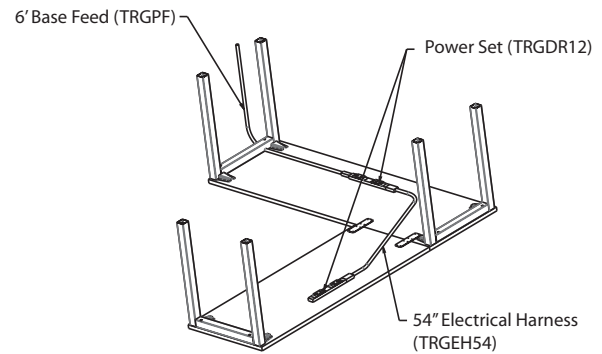
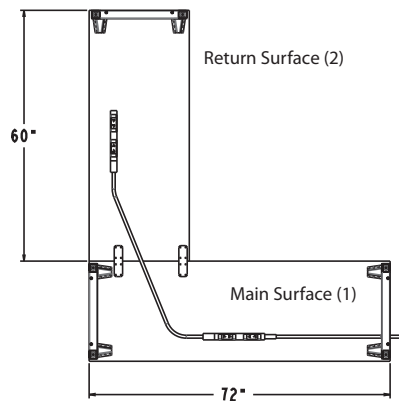
- (2) Power Sets (TRGDR12) are needed, one for each desk
- (1) H-Connector (TRGHC) used to split power coming from the Base Feed to the Power Sets.
- Trig Base Feed (TRGPF)*
- (2) 66" electrical harnesses (TRGEH66) are needed to connect the Power Set on each desk to the H-Connector

**12' basefeed (TRGPF12) also available.*

The length of the electrical harnesses that connects the H-Connector to the Power Sets will depend on the width of the work surfaces. The table below shows the necessary harness length for each width of work surface. One electrical harness needed per work surface.

Work Surface Width	54"	60"	66"	72"	78"	84"
Electrical Harness Length	60"	60"	66"	66"	66"	66"

Example (4) L-Shape Work Station with 24" deep, 72" wide desk and 24" deep, 60" wide return work surface



Needed Electrical Components for above illustration:

- (2) Power Sets (TRGDR12) are needed, one for each desk
- (1) 54" electrical harness (TRGEH60) is needed to connect the Power Set on each surface
- (1) Trig Hardwired Base Feed (TRGPF) – the base feed has a 6' length cord, which should allow the base feed to reach the Power Set on either surface.*

*12' basefeed (TRGPF12) also available.

The length of the electrical harnesses that connects the Power Sets will depend on the width and depth of the work surfaces. The table below shows the necessary harness length for each width and width of work surface (a separate harness will need to be order for each surface):

Layout 1

Main Surface (1) = 20" deep

Return Surface (2) = 20", 24" or 30" deep

Return Surface (2) width (maximum size is 72" with under desk)

Main Surface (1) width	48"	54"	60"	66"	66"	72"
	48"	48"	48"	54"	54"	60"
	54"	48"	48"	54"	54"	60"
	60"	48"	48"	54"	54"	60"
	66"	48"	54"	54"	54"	60"
	72"	48"	54"	54"	60"	60"
	78"	54"	54"	54"	60"	60"
	84"	54"	54"	60"	60"	66"

Layout 2

Main Surface (1) = 24" deep

Return Surface (2) = 20", 24" or 30" deep

Return Surface (2) width (maximum size is 72" with under desk)

Main Surface (1) width		48"	54"	60"	66"	72"
	48"	48"	48"	54"	54"	60"
	54"	48"	48"	54"	54"	60"
	60"	48"	48"	54"	54"	60"
	66"	54"	54"	54"	54"	60"
	72"	54"	54"	54"	60"	66"
	78"	54"	60"	60"	60"	66"
	84"	54"	60"	60"	60"	66"

Layout 3

Main Surface (1) = 30" deep

Return Surface (2) = 20", 24" or 30" deep

Return Surface (2) width (maximum size is 72" with under desk)

Work Surface (1) width		48"	54"	60"	66"	72"
	48"	54"	60"	60"	66"	66"
	54"	54"	60"	60"	66"	66"
	60"	54"	60"	60"	66"	66"
	66"	60"	60"	66"	66"	66"
	72"	60"	60"	66"	66"	72"
	78"	60"	66"	66"	66"	72"
	84"	60"	66"	66"	72"	72"